

01/17/02 J1044 U.S. PTO

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PTO/SB/05 (08-00)   
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 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 06164 USA   
 First Inventor Heather Regina Bowen   
 Title Purification of Group IVb Metal Halides   
 Express Mail Label No. EL685721475US

J1040 U.S. PTO   
 10/052052   
 01/17/02

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)   
 (Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.   
 See 37 CFR 1.27.
- ☒ Specification [Total Pages 13]   
 (preferred arrangement set forth below)   
 - Descriptive title of the invention   
 - Cross Reference to Related Applications   
 - Statement Regarding Fed sponsored R & D   
 - Reference to sequence listing, a table,   
 or a computer program listing appendix   
 - Background of the Invention   
 - Brief Summary of the Invention   
 - Brief Description of the Drawings (if filed)   
 - Detailed Description   
 - Claim(s)   
 - Abstract of the Disclosure
- ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets ]
- ☐ Oath or Declaration *unexecuted* [Total Pages 2]   
 a. ☐ Newly executed (original or copy)   
 b. ☐ Copy from a prior application (37 CFR 1.63 (d))   
 (for continuation/divisional with Box 17 completed)   
 i. ☐ **DELETION OF INVENTOR(S)**   
 Signed statement attached deleting inventor(s)   
 named in the prior application, see 37 CFR   
 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents   
 Box Patent Application   
 Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or   
 Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission   
 (if applicable, all necessary)   
 a. ☐ Computer Readable Form (CRF)   
 b. Specification Sequence Listing on:   
 i. ☐ CD-ROM or CD-R (2 copies); or   
 ii. ☐ paper   
 c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement ☒ Power of   
 (when there is an assignee) Attorney
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure ☒ Copies of IDS   
 Statement (IDS)/PTO-1449 Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)   
 (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)   
 (if foreign priority is claimed)
- ☐ Other: .....

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,   
 or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: .....

Prior application information:

Examiner .....

Group / Art Unit: .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under   
 Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.   
 The incorporation can only be relied upon when:

☒ Customer Number or Bar Code Label



23543

Air Products and Chemicals, Inc.

ADDRESS

or ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Geoffrey L. Chase

Registration No. (Attorney/Agent)

28,059

Signature

*Geoffrey L. Chase*

Date

Jan. 17, 2002

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 the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC   
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**FEE TRANSMITTAL**  
**for FY 2002**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT**

(\$)

740.00

**Complete If Known**

Application Number

Filing Date

First Named Inventor

Heather Regina Bowen

Examiner Name

Group Art Unit

Attorney Docket No.

06164 USA

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

01-0493

Deposit  
Account  
Name

Air Products and Chemicals, Inc.

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

- ☐
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:**

☐ Check☐ Credit card☐ Money  
Order☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)

101 740 201 370 Utility filing fee

106 330 206 165 Design filing fee

107 510 207 255 Plant filing fee

108 740 208 370 Reissue filing fee

114 160 214 80 Provisional filing fee

Fee Paid

740.00

SUBTOTAL (1) (\$)

740

**2. EXTRA CLAIM FEES**

Total Claims	13	-20** =		X	Fee from below	18	=	Fee Paid
Independent Claims	2	-3** =		X	84	=		
Multiple Dependent								

Large Entity Small Entity

Fee Code (\$)

103 18 203 9 Claims in excess of 20

102 84 202 42 Independent claims in excess of 3

104 280 204 140 Multiple dependent claim, if not paid

109 84 209 42 \*\* Reissue independent claims  
over original patent110 18 210 9 \*\* Reissue claims in excess of 20  
and over original patent

SUBTOTAL (2)

(\$)

0

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Fee Code	Large Entity (\$)	Fee Code	Small Entity (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

0

**SUBMITTED BY**

Name (Print/Type)

Geoffrey L. Chase

Registration No.  
(Attorney/Agent)

28,059

Complete (if applicable)

Telephone

610-481-7265

Signature

*Geoffrey L. Chase*

Date

January 17, 2002

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